

## ADVANTAGES OF USING MODERN PEDAGOGICAL SMART TOOLS BY ENGLISH TEACHERS

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In the concept of the Ukrainian education modernization new priorities have been identified. The leading aspect is the preparation of the younger generation for life in a rapidly changing information society, in the world where there is a constant need for new professions and continuous professional development. In the modern system of education there is a situation, when the established methods, techniques and forms of education require interpretation, correction and new pedagogical solutions. This is primarily due to the widespread introduction and wide use of information and communication technologies.

The process of education informatization is quite complex and requires a rethinking of experience while implementing innovative information technologies analysis and evaluation of opportunities of their use in the learning process. That causes the necessity of a new level of studying the subjects in order to develop each student's steady willingness and ability to learn independently-acquired knowledge, creative approach to the implementation of learning tasks.

The use of new information technologies in teaching is one of the most important aspects of improving and optimizing the educational process, enriching the arsenal of methodological tools and techniques that allow diversifying the forms of work and making the learning process of a foreign language interesting and memorable for students. So a contemporary teacher should not only have knowledge in the field of new informational technologies.

The purpose of the article is to investigate existing innovative SMART tools which English teachers can use as a part of their professional activity, disclose the essence of these instruments and benefits of using them in the teaching process.

Using SMART tools in the process of teaching a foreign language reveals the enormous capabilities of the computer as an effective means of learning. SMART tools allow you to train different types of speech activity and combine them in different combinations, understand the language phenomena, contribute to the formation of linguistic abilities, create communicative situations, automate linguistic and speech actions, as well as ensure the implementation of an individual approach and the intensification of the independent work of students.

**Key words:** future teachers of English language, innovative teaching, modern educational technologies, SMART-tools.

**Дехтярєва Ю.О. Переваги використання сучасних SMART-інструментів учителями англійської мови.** У концепції модернізації української освіти визначені нові пріоритети. Це обумовлює перш за все впровадження і широке використання сучасних інформаційних технологій. У сучасній системі освіти склалася ситуація, коли встановлені методи і форми навчання вимагають інтерпретації, корекції і нових педагогічних рішень. Процес інформатизації освіти досить складний і вимагає переосмислення досвіду впровадження інноваційних інформаційних технологій і оцінки можливостей їхнього використання у процесі навчання.

Статтю присвячено сучасним освітнім технологіям, а саме SMART-інструментам, які можуть використовуватися викладачем іноземної мови у рамках своєї педагогічної діяльності. Розглянуто основні SMART-інструменти (SMART Board, SMART Response, SMART Table, VKapp), їх сутність та наведено переваги використання кожного з них.

**Ключові слова:** інноваційне навчання, майбутні вчителі англійської мови, сучасні освітні технології, SMART-інструменти.

**Дехтярєва Ю.А. Преимущества использования современных SMART-инструментов учителями английского языка.** В концепции модернизации украинского образования определены новые приоритеты. Это обуславливает прежде всего повсеместное внедрение и широкое использование современных информационных технологий. В современной системе образования сложилась ситуация, когда установленные методы и формы обучения требуют интерпретации, коррекции и новых педагогических решений. Процесс информатизации образования достаточно сложный и требует переосмысления опыта внедрения инновационных информационных технологий и оценки возможностей их использования в процессе обучения.

Статья посвящена современным образовательным технологиям, а именно SMART-инструментам, которые могут использоваться преподавателем иностранного языка в рамках своей педагогической деятельности. Рассмотрены основные SMART-инструменты (SMART Board, SMART Response, SMART Table, SMART Kapp), их сущность и приведены преимущества использования каждого из них.

**Ключевые слова:** будущие учителя английского языка, инновационное обучение, современные образовательные технологии, SMART-инструменты.

**The topicality of the research.** In the concept of the modernization of the Ukrainian education new priorities have been identified. The leading aspect is the preparation of the younger generation for life in a rapidly changing information society, in a world where there is a constant need for new professions and continuous professional development. In the modern system of education there is a situation, when the established methods, techniques and forms of education require interpretation, correction and new pedagogical solutions. This is primarily due to the widespread introduction and wide use of information and communication technologies.

The use of new information technologies in teaching is one of the most important aspects of improving and optimizing the educational process, enriching the arsenal of methodological tools and techniques that allow diversifying the forms of work and making the learning process of a foreign language interesting and memorable for students. That is why, a modern teacher should not only have knowledge in the field of new informational technologies, but also to be an expert on their application in their professional activity.

**The degree of scientific research of the issue.** In psychological and pedagogical studies, much attention is paid to the problem of using modern informational technologies in the teaching process (A. Korotkov, M. Lapchyk, O. Leontovych, Yu. Mashbicz, N. Morze, S. Nylova, A. Petrov, I. Semakin, E. Xenner and others); in numerous studies (V. Bepalko, L. Bilousova, B. Gershunskyi, M. Zhaldak, D. Matros, Yu. Mashbych, V. Monaxov, N. Morze, I. Pidlasyi, S. Rakov, N. Rozenberg, O. Spivakovskiy, and others.), devoted to the problems of application of information and communication technologies in the educational process, the main attention is paid to such questions as the creation and use of computer tools for teaching and research activities, development of computer-oriented methodical systems of teaching different disciplines; formation of the informative competence of the future teacher, etc. Studies on the problems of using smart technologies focused mainly on the issues of introduction of new forms of education.

**The purpose of the article** is to investigate existing innovative SMART tools which English teachers can use as a part of their professional activity, disclose the essence of these instruments and benefits of using them in the teaching process.

The Internet and modern information technology education cover all the developed world and cause a blow to classical education. Modern students may be not interested in the traditional theoretical course. More often preference is given to higher education institutions with the traditional curriculum. Unfortunately, the traditional training program does not provide the necessary training to young professionals [4].

**Presentation of the main material.** Connections of intensive and extensive ways in the development of an education system allow for so-called “integrated innovation” being built at the intersection of diverse, multi-level educational subsystems and components. Reinforcing of “narrow” places the latest technology can increase the overall efficiency of educational systems.

The use of new information technologies in teaching is one of the most important aspects of improving and optimizing the educational process, enriching the arsenal of methodological tools and techniques that allow diversifying the forms of work and making the learning process of a foreign language interesting for students. SMART tools allow to activate cognitive activity of students; to provide a positive motivation for learning, a high degree of differentiation of training; to improve the control of knowledge, skills and abilities. The effectiveness of the use of SMART tools depends on the ways and forms of application of these technologies, on how well the teacher has the technique of working with them, on the electronic resources used by him. Similar technologies are actively used to transfer information and provide interaction between the teacher and the trainee in modern systems of open and distance education [6].

In addition, innovative teaching methods include interactive learning. It aims at active and profound learning, that study the development of the ability to solve a complex of problems. The use of innovative teaching methods in high school at the present stage should be directed to the formation of moral values and promote individual moral principles based on professional ethics, development of critical thinking, the ability to present and defend their own opinion.

The use of modern SMART technologies in the educational process is not only a means of activating the cognitive, creative activity of students, but also objectively determined by the need for rapid development of science and technology, which requires detailed study, development of methods, forms, methods of use of these technologies

and their implementation. The training of qualified specialists in the field of SMART technologies will enable Ukraine to compete with other countries and produce products that will be used not only in education, but also in other areas of society's life. Providing sufficient attention to future technologies and proper material support for SMART technology will allow Ukraine to move to a new level of development [3].

Smart technologies are technologies that were previously based on information and knowledge, transformed into procedures based on interaction and exchange of experience. The educational process is organized using innovations and the Internet, it gives an opportunity to acquire a professional competence. SMART-technologies today is no longer a novelty. They are widely implemented and used in teaching practice. Before modern teacher raises a number of important tasks that need to be addressed to make the learning process interesting, creative and the only one that meets all the needs of the modern student.

In this regard, there are substantial changes in the teaching of subjects using modern information technologies. Personal computers, SMART-boards, Internet, are necessary tools in the learning process. In addition, using SMART-technologies in the learning process allows more widely and fully disclose creative potential of each student [1: 9].

The main advantage of SMART-education – flexibility, which involves a large number of sources, maximum diversity of media, the ability to tune in to the level and needs of students quickly and easily. The use of computer programs in teaching a foreign language makes it possible to present educational material in clear and accessible ways than in an oral form. It is very important that the student can work on the lesson in an individual mode, advancing in comprehending the new material at his/her own pace, returning to the misunderstood, if it is required, or to run ahead of him [2]. The computer develops the independence of the students and creates a favorable social and psychological atmosphere in the class, giving them self-confidence, which is an important factor for the development of students' individuality.

Using SMART tools in the process of teaching a foreign language reveals the enormous capabilities of the computer as an effective means of learning. SMART tools allow you to train different types of speech activity and combine them in different combinations, understand

language phenomena, contribute to the formation of linguistic abilities, create communicative situations, automate linguistic and speech actions, as well as ensure the implementation of an individual approach and the intensification of the students' independent work [5].

Arguing about the key ideas of SMART Education, we will focus on the main benefits of the SMART-learning process:

- innovative approach to supply educational material;
- dynamic channel of communication between teacher and student;
- dynamic content;
- new information technologies (the use of cloud storage material and information about student performance).

The main goals of SMART Education are:

- to create an environment that provides the highest level of education;
- to improve student's skills and knowledge according to his/her competency model;
- to develop the strategy of education that will help students to adapt to the problems and difficulties of a constantly changing world.

The main features of SMART Education include:

- the formation of combined real and virtual space;
- the unity of the teaching staff, general information and educational environment;
- the introduction of new educational technologies using ICT.

Some SMART tools and their benefits for a modern educational process will be presented next.

The main modern smart tools and advantages of their use by the teachers of English:

#### SMART Board

SMART Board is the convenient tool for organizing training sessions and meetings, workshops and seminars. SMART Board in the audience can simultaneously act as a normal board, screen and interactive computer monitor.

The advantages of using SMART Board are:

1. The fact that it expands possibilities and increases the efficiency of information exchange between teacher and students.

2. SMART Board saves teachers' time. Additional resources to facilitate training sessions are available (a large image gallery, free templates and willing lessons on the Internet).

3. SMART Board helps students to focus on the teacher and the materials proposed.

4. SMART Board increases the effectiveness of the educational process.

During English lessons, SMART Board can be used at various stages of the lesson and in teaching various types of speech activity: during phonetic and speech charging, introducing and practicing vocabulary and speech patterns, activating grammatical material, teaching a foreign language spelling and listening.

#### SMART Response

SMART Response is a system of interactive survey. You can use it to conduct the survey, test and store results. You can view the individual and student group results. SMART Response Package includes: individual panels for each student, a central receiver and software that allows you to create questions and organize a response.

Benefits of SMART Response are:

1. One system for all tasks (you will conduct surveys and tests that will be complementary to the learning process).

2. Individuality of answers (student may skip questions in which they are not confident and return to them at the end of testing).

3. Export data (all data for the group will be saved in the software and can be stored in a spreadsheet format).

4. Ability to select (The survey systems for different categories of students are available).

The use of tests in teaching is one of the rational additions to the methods of testing the knowledge and skills of students. An English teacher can make questions and tests to check knowledge, as well as ask questions to test students' understanding of a topic at a lesson.

#### SMART Table

SMART Table is a table with the surface sensitive to touch, where one or a group of students can simultaneously work on an interactive task. Students can play educational games, solve problems and answer questions together. SMART Table Multitouch-Technology allows multiple students to select and move various objects, draw and write at the same time, look for the correct answers to questions.

Advantages:

1. Work in groups (language learning, practical tasks).
2. Universal design for learning (students with disabilities can work on it).
3. Increase of the students' interest.

The SMART Table in English lessons can be used for students' collaboration skills. Pupils can work together on a problem and come to a common opinion before giving an answer. Working as a team, students will be able to develop speaking skills better.

#### SMARTkapp

The idea of unification of all students through mobile phone embodies in the SMARTkapp technology.

SMARTkapp is the table with a glass surface, which is built on a cloud technology principle. All you need to work with SMARTkapp is to download the SMARTkapp app, hold your SMARTphone at the QR-code on the board and connect mobile device. Using any marker, you can write, draw on the surface of the board, similar to the old-fashioned flip chart, and all the information will be displayed on the mobile device.

In the real time teacher can share information with many personal devices or save it on a flash drive by inserting it directly into the board. So all students can participate in learning, brainstorming, or presentation and no matter where they are. So SMART kapp can be used for complete immersion in the language environment. In addition, English teachers will be able to support continuous learning easier.

**Conclusions.** The ICT tools listed by the author of the article allow activating students' cognitive activity; provide a positive learning motivation; a high degree of differentiation of learning; improve the control of knowledge and skills. It should be noted that this is only a part of the wide variety of SMART tools that may be used in the educational process. There are also SMART tablets, SMART displays, SMART projectors, cameras, etc.

Thus, in conditions of constant growth and renewal of knowledge, continuous development of competencies throughout the career becomes the most important in the modern education system. The educational environment must be changed. Increasing the volume of labor education is not easy. We need to change the very meaning of education, its methods, tools, and environment. Modern society needs the transition to the SMART-education.



**Perspectives of further research.** Further study of using modern pedagogical smart tools in training foreign languages can focus on the issue of making recommendations and methodologies for their effective use exercises.

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